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| FORM PTO-1449 | | | Docket Number (Optional) 903.0001USV | Application Number 09/421,790 08/902,844 |
| INFORMATION DISCLOSURE CITATION IN AN APPLICATION (Use several sheets if necessary) | | | Applicant Rollhaus et al. | U. S. PRC 10/20/99 |
| | | | Filing Date July 30, 1997 | Group Art Unit 2754-2652 |

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| EXAMINER INITIAL | DOCUMENT NUMBER | DATE | NAME | CLASS | SUBCLASS | FILING DATE IF APPROPRIATE |
|------------------|-----------------|----------|-------------------|-------|----------|----------------------------|
| 007 | 5,846,836 | 12/8/98 | Mallow | 436 | 169 | |
| | 5,400,319 | 3/21/95 | Fite et al. | 369 | 275.5 | |
| | 5,572,589 | 11/5/96 | Waters et al. | 380 | 4 | |
| | 5,608,717 | 3/4/97 | Ito et al. | 369 | 275.3 | |
| | 5,644,566 | 7/1/97 | Nakayama et al. | 369 | 275.2 | |
| | 5,661,703 | 8/26/97 | Moribe et al. | 369 | 14 | |
| | 5,681,633 | 10/28/97 | Onagi et al. | 428 | 64.3 | |
| 107 | 5,671,202 | 9/23/97 | Brownstein et al. | 369 | 58 | |
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| | DOCUMENT NUMBER | DATE | COUNTRY | CLASS | SUBCLASS | Translation | |
|--|-----------------|------|---------|-------|----------|-------------|----|
| | | | | | | YES | NO |
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| 007 | Gradient force: The mechanism for surface relief grating formation in azobenzene functionalized polymers by Kumar et al in Applied Physics Letters, vol. 72, Number 17, 27 April 1998; pp. 2096-2098 |
| | Working Knowledge, Compact-Disc Player, by K. Pohlmann, Scientific American 9/98 PP109 |
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| EXAMINER | DATE CONSIDERED |
| <i>W. W. W. W.</i> | <i>7/1/98</i> |
| EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP §609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to the applicant. | |

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|--|--|-----------------------------|---------------------------|
| FORM PTO-1449 | | Docket Number (Optional) | Application Number |
| INFORMATION DISCLOSURE CITATION IN AN APPLICATION | | 903.0001USV | 091421, 490 08/902,844 |
| | | Applicant | |
| | | Rollhaus et al. | |
| | | Filing Date | Group Art Unit |
| | | July 30, 1997 | 2754 2052 |
| (Use several sheets if necessary) | | 1C575 U.S. P.T.O. 09/421490 | |

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| EXAMINER INITIAL | DOCUMENT NUMBER | DATE | NAME | CLASS | SUBCLASS | FILING DATE IF APPROPRIATE |
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| DDO | 5,412,718 | 05/1995 | Narasimhalu et al. | 430 | 1 | |
| | 5,432,647 | 07/1995 | Tateishi | 380 | 4 | |
| | 5,513,260 | 04/1996 | Ryan | 380 | 4 | |
| | 5,322,747 | 6/21/94 | Hugle | 380 | 25 | |
| | 5,371,792 | 12/06/94 | Asai et al. | 360 | 60 | |
| | 5,373,499 | 12/13/94 | Inaino et al. | 369 | 100 | |
| | 5,418,852 | 5/23/95 | Itami et al. | 369 | 14 | |
| | 5,453,968 | 9/26/95 | Veldhuis et al. | 360 | 60 | |
| | 5,473,584 | 12/05/95 | Oshima | 360 | 60 | |
| | 5,570,379 | 10/29/96 | Sasaki et al. | 360 | 60 | |
| DDO | 5,574,787 | 11/12/96 | Ryan | 380 | 4 | |

FOREIGN PATENT DOCUMENTS

| | DOCUMENT NUMBER | DATE | COUNTRY | CLASS | SUBCLASS | Translation | |
|-----|-----------------|----------|---------|-------|----------|-------------|----|
| | | | | | | YES | NO |
| 100 | 4-318342 | 1992 | Japan | | | | |
| 1 | 1-211285 | — 8/1989 | Japan | | | | |
| 100 | 4-128834 | — 4/1992 | Japan | | | | |
| 100 | 6-082952 | | Japan | | | | |
| 1 | 4-128834 | | Japan | | | | |

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| FORM PTO-1449 | | Docket Number (Optional) | | Application Number | |
| INFORMATION DISCLOSURE CITATION IN AN APPLICATION | | 903.0001 | | 891421,420 08/902,844 | |
| (Use several sheets if necessary) | | Applicant | | 10/20/99 10/20/99 10/20/99 10/20/99 | |
| | | Rollhaus et al. | | 10/20/99 10/20/99 10/20/99 10/20/99 | |
| | | Filing Date | | Group Art Unit | |
| | | July 30, 1997 | | 2754-2652 | |

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| EXAMINER INITIAL | DOCUMENT NUMBER | DATE | NAME | CLASS | SUBCLASS | FILING DATE IF APPROPRIATE |
|------------------|-----------------|----------|---------------|-------|----------|----------------------------|
| 001 | 5,815,484 | 9/29/98 | Smith | 364 | 275.1 | |
| | 60/009,325 | 12/28/95 | Smith | — | — | |
| | 5,162,989 | 11/1992 | Matsuda | 705 | 1 | |
| | 5,507,947 | 10/1991 | Shimada | 210 | 365 | |
| | 5,538,773 | 7/1996 | Kondo | 428 | 164.1 | |
| | 5,636,096 | 06/1997 | Mardirossian | 360 | 133 | |
| | 5,646,920 | 7/1997 | Raczynski | 369 | 47 | |
| | 4,542,288 | 9/17/85 | Drexler | 235 | 487 | |
| | 4,866,769 | 9/12/89 | Karp | 380 | 4 | |
| | 4,879,704 | 11/07/89 | Takagi et al. | 368 | 4 | |
| 000 | 4,975,898 | 12/04/90 | Yoshida | 369 | 100 | |

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EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP §909; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to the applicant.

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| FORM PTO-1449 | | Docket Number (Optional) 903.0001USV | Application Number 08/902,844 |
| INFORMATION DISCLOSURE CITATION IN AN APPLICATION | | Applicant Rollhaus et al. | |
| (Use several sheets if necessary) | | Filing Date July 30, 1997 | Group Art Unit 2754 |

U. S. PATENT DOCUMENTS

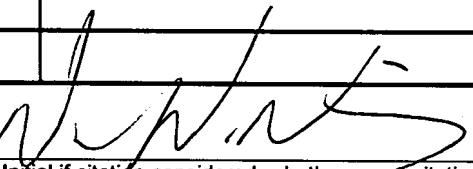
| EXAMINER INITIAL | DOCUMENT NUMBER | DATE | NAME | CLASS | SUBCLASS | FILING DATE IF APPROPRIATE |
|------------------|-----------------|----------|-----------------|-------|----------|----------------------------|
| DDJ | 5,311,494 | 05/10/94 | Sugita et al. | 369 | 100 | |
| | 5,418,852 | 05/23/95 | Itami et al. | 380 | 4 | |
| | 5,426,625 | 06/20/95 | Bui et al. | 369 | 44.32 | |
| | 5,453,968 | 09/26/95 | Veldhuis et al. | 369 | 84 | |
| | 5,461,239 | 10/24/95 | Atherton | 250 | 566 | |
| | 5,473,584 | 12/05/95 | Oshima | 369 | 32 | |
| | 5,513,169 | 4/30/96 | Fite et al. | 369 | 272 | |
| | 5,513,260 | 4/30/96 | Ryan | 380 | 3 | |
| | 5,570,379 | 10/29/96 | Sasaki et al. | 714 | 775 | |
| | 5,574,787 | 11/12/96 | Ryan | 380 | 5 | |
| DDJ | 5,592,454 | 1/07/97 | Tobita et al. | 369 | 58 | |

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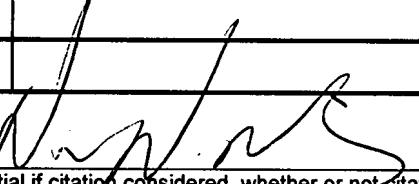
| | DOCUMENT NUMBER | DATE | COUNTRY | CLASS | SUBCLASS | Translation | |
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EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP §609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to the applicant.

| <p>FORM PTO-1449 INFORMATION DISCLOSURE CITATION IN AN APPLICATION (Use several sheets if necessary)</p> | | | | Docket Number (Optional) 903.0001 | Application Number 08/902,844 09/421490 | | |
|--|-----------------|----------|-------------------------|--------------------------------------|---|----------------------------|----|
| | | | | Applicant Rollhaus et al. | | | |
| | | | | Filing Date July 30, 1997 | Group Art Unit 2754 2652 | | |
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| 909 | 5,629,914 | 5/13/97 | Clark et al. | 369 | 59 | | |
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| | 5,680,383 | 10/21/97 | Clark et al. | 369 | 59 | | |
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| | 4,578,690 | 3/25/86 | Veillette et al. | 346 | 212 | | |
| | 4,677,604 | 6/30/87 | Selby, III et al. | 369 | 33 | | |
| | 5,028,109 | 7/2/91 | Lawandy | 350 | 96.12 | | |
| | 5,183,763 | 2/2/93 | Mallow et al. | 436 | 106 | | |
| | 5,587,984 | 12/24/96 | Owa et al. | 369 | 103 | | |
| | 5,598,399 | 1/28/97 | Ogihara et al. | 369 | 275.2 | | |
| 109 | 4,865,942 | 9/12/89 | Gottschalk et al. | 430 | 138 | | |
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| | DOCUMENT NUMBER | DATE | COUNTRY | CLASS | SUBCLASS | Translation | |
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| FORM PTO-1449 | | Docket Number (Optional) 903.0001 | Application Number 09/421,490 08/902,844 |
| INFORMATION DISCLOSURE CITATION IN AN APPLICATION | | Applicant Rollhaus et al. | PRO |
| (Use several sheets if necessary) | | Filing Date July 30, 1997 | Group Art Unit 2754-2652 |

10/20/99

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| | 4,879,704 | 11/1989 | Takagi et al. | 369 | 84 | |
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| | 4,980,782 | 12/1990 | Ginkel | 380 | 4 | |
| | 5,050,213 | 09/1991 | Shear | 380 | 4 | |
| | 5,267,311 | 11/1993 | Bakhoum | 369 | 1275.4 | |
| | 5,293,422 | 03/1994 | Loiacono | 380 | 3 | |
| 000 | 5,346,654 | 09/1994 | Kodaka et al. | 264 | 1.33 | |

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| | DOCUMENT NUMBER | DATE | COUNTRY | CLASS | SUBCLASS | Translation | |
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| 000 | 01-211285 | 1989 | Japan | | | | |
| 000 | 3720233 | 1988 | Germany | | | | |
| 000 | BE900.479 | 1984 | Germany | | | | |

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| 000 | Periodical article by John L. Sands, "CD-ROM destruction (intentional!)", CD-ROM Professional, March 1991, vol. 4, nr. 2, P. 58-59 |
| 000 | Raitt, D.I.; Jeapes, B. <i>Little bang and big vibrations to stop a CD thief (CD-ROM security)</i> 1993, Abstract |
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| 000 (3) | Richard M. Tarkka et al., "Holographic Storage in a near-ir sensitive photochromic dye," Optics Communications 109 (1994) 54-58 |
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